

INDEX

NAMES OF CONTRIBUTORS ARE PRINTED IN SMALL CAPITALS

- Allometry Equation, Application of, to Study of Growth in *Callinectes sapidus* Rathbun, C. L. NEWCOMBE, 315
- ALTENBURG, E., Role of Symbionts and Autocatalysts in Genetics of the Ciliates, 252
- Animals and Salinity in the Great Basin, A. WOODBURY, 171
- AUSTIN, M. L., Killing Substance, Paramecin: Activity of Single Particles, 51
- Beetles, Lady, All-Female Strain of, with Reversions to Normal Sex Ratio, A. F. SHULL, 241
- Biological Sciences, American Institute of, 96
- Birds, Survival of, at High Temperatures, A. R. PHILLIPS, 331
- CARPENTER, G. D. H., Mimicry, and Ecogenotypical Variation, 234
- Chick Embryo, Mitotic Index in the, T. M. WOODARD, JR., 129
- Chromosomal Variation in Populations of *Drosophila pseudoobscura* Which Inhabit Northern Mexico, T. H. DOBZHANSKY, 97
- Ciliates, Role of Symbionts and Autocatalysts in Genetics of the, E. ALTENBURG, 252
- COLE, The Late L. J., and I. JOHANSSON, Inheritance in Crosses of Jersey and Holstein-Friesian with Aberdeen-Angus Cattle. I. Horns and Shape of Skull, 145; II. Color and White Spotting, 202; III. Growth and Body Type, Milk Yield and Butterfat Percentage, 265
- DIPPELL, R. V., Mutations of the Killer Plasmagene, Kappa, in Variety 4 of *Paramecium aurelia*, 43
- DOBZHANSKY, TH., Chromosomal Variation in Populations of *Drosophila pseudoobscura* Which Inhabit Northern Mexico, 97
- Drosophila, pseudoobscura*, Chromosomal Variation in Populations of, Which Inhabit Northern Mexico, TH. DOBZHANSKY, 97; *melanogaster*, Red Eye Pigment Determination in the Lozenge Allelic Series of, M. M. GREEN, 188; Competition Between *D. pseudoobscura* and *D. melanogaster* in Population Cages, S. ZIMMERING, 326
- Ecogenotypical Variation, Mimicry and, G. D. H. CARPENTER, 234
- Feather Pigment in Rhode Island Reds, Density of, F. A. HAYS, C. H. WHITE, and R. SANBORN, 107
- Fishes, Catching, with the Hand. I. In the Two Americas: 1699-1942, E. W. GUDGER, 281
- GATES, R. R., Some Principles of Human Genetics, 193
- Genetics, Human, Some Principles of, R. R. GATES, 193; of Ciliates, Role of Symbionts and Autocatalysts in, E. ALTENBURG, 252
- GENTRY, J. T., Malignant Cell in an Environment of Normal Cellular Constituents—Selective Specificity in a Replacement Approach to Cancer and Related Problems, 118
- GREEN, M. M., Red Eye Pigment Determination in the Lozenge Allelic Series of *Drosophila melanogaster*, 188
- Growth in *Callinectes sapidus* Rathbun, Application of Allometry Equation to Study of, C. L. NEWCOMBE, 315
- GUDGER, E. W., Catching Fishes with the Hand. I. In the Two Americas: 1699-1942, 281
- HAUSMAN, S. A., Further Studies of the Salt Marsh Snail (*Melampus bidentatus* or *lineatus*), 137
- HAYS, F. A., C. H. WHITE and R. SANBORN, Density of Feather Pigment in Rhode Island Reds, 107
- Inheritance in Crosses of Jersey and Holstein-Friesian with Aberdeen-Angus Cattle. I. Horns and Shape of Skull. The Late L. J. COLE and I. JOHANSSON, 145; II. Color and White Spotting, 202; III. Growth and Body Type, Milk Yield and Butterfat Percentage, 265
- JOHANSSON, I., and the Late L. J. COLE, Inheritance in Crosses of Jersey and Holstein-Friesian with Aberdeen-Angus Cattle. I. Horns

- and Shape of Skull, 145; II. Color and White Spotting, 202; III. Growth and Body Type, Milk Yield and Butterfat Percentage, 265
- Kappa, The Killer Cytoplasmic Factor, J. R. PREER, JR., 35
- KIMBALL, R. F., Role of Cytoplasm in Inheritance in Variety 1 of *Paramecium aurelia*, 79
- LESUER, A., T. M. SONNEBORN and, Antigenic Characters in *Paramecium aurelia* (Variety 4): Determination, Inheritance and Induced Mutations, 69
- LILLIE, R. S., Randomness and Directiveness in the Evolution and Activity of Living Organisms, 5
- Living Organisms, Randomness and Directiveness in the Evolution and Activity of, R. S. LILLIE, 5
- Maize, Spontaneous Mutation at R Locus in. II. Race Differences in Mutation Rate, L. J. STADLER, 289
- Malignant Cell in an Environment of Normal Cellular Constituents—Selective Specificity in a Replacement Approach to Cancer and Related Problems, J. T. GENTRY, 118
- Mating Type Substances, Nature and Mode of Action of, C. B. METZ, 85
- METZ, C. B., Nature and Mode of Action of Mating Type Substances, 85
- Mimicry and Ecogenotypical Variation, G. D. H. CARPENTER, 234
- Mutation, Spontaneous, at R Locus in Maize. II. Race Differences in Mutation Rate, L. J. STADLER, 289
- NEWCOMBE, C. L., Application of Allometry Equation to Study of Growth in *Callinectes sapidus* Rathbun, 315
- Paramecin, Killing Substances; Activity of Single Particles, M. L. AUSTIN, 51; Chemical Nature, W. J. WAGTENDONK, 60
- Paramecium aurelia*, Introduction to Symposium on Plasmagenes, Genes and Characters in, T. M. SONNEBORN, 26; Mutations of the Killer Plasmagene, Kappa, in Variety 4 of R. V. DIPPELL, 43; Antigenic Characters in Variety 4: Determination, Inheritance and Induced Mutations, T. M. SONNEBORN and A. LESUER, 69; Role of Cytoplasm in Inheritance in Variety 1 of, R. F. KIMBALL, 79
- PHILLIPS, A. R., Survival of Birds at High Temperatures, 331
- PREER, J. R., JR., The Killer Cytoplasmic Factor Kappa, 35
- Red Eye Pigment Determination in the Lozenge Allelic Series of *Drosophila melanogaster*, M. M. GREEN, 188
- Rhode Island Reds, Density of Feather Pigment in, F. A. HAYS, C. H. WHITE and R. SANBORN, 107
- Salinity and Animals in the Great Basin, A. WOODBURY, 171
- SANBORN, R., F. A. HAYS, C. H. WHITE and, Density of Feather Pigment in Rhode Island Reds, 107
- Sex Ratio, All-Female Strain of Lady Beetles with Reversions to Normal, A. F. SHULL, 241
- SHULL, A. F., All-Female Strain of Lady Beetles with Reversions to Normal Sex Ratio, 241
- Snail, Further Studies of the Salt Marsh, (*Melampus bidentatus* or *lineatus*), S. A. HAUSMAN, 137
- SONNEBORN, T. M., Introduction to Symposium on Plasmagenes, Genes and Characters in *Paramecium aurelia*, 26; and A. LESUER, Antigenic Characters in *Paramecium aurelia* (Variety 4): Determination, Inheritance and Induced Mutations, 69
- STADLER, L. J., Spontaneous Mutation at R Locus in Maize. II. Race Differences in Mutation Rate, 289
- Symposium on Plasmagenes, Genes and Characters in *Paramecium aurelia*, Introduction, T. M. SONNEBORN, 26
- WAGTENDONK, W. J., Killing Substance, Paramecin: Chemical Nature, 60
- WHITE, C. H., F. A. HAYS and R. SANBORN, Density of Feather Pigment in Rhode Island Reds, 107
- WOODARD, T. M., JR., Mitotic Index in the Chick Embryo, 129
- WOODBURY, A., Animals and Salinity in the Great Basin, 171
- ZIMMERING, S., Competition between *Drosophila pseudoobscura* and *Drosophila melanogaster* in Population Cages, 326

